

L3 ANSWER 5 OF 108 CA COPYRIGHT 2005 ACS on STN
 AN 139:296064 CA
 ED Entered STN: 30 Oct 2003
 TI Treatment of mercury in fly ash by the CBO process
 AU Cochran, Joe; Giampa, Vincent
 CS UK
 SO Research Disclosure (2003), 470(June), P726 (No. 470003)
 CODEN: RSDSBB; ISSN: 0374-4353
 PB Kenneth Mason Publications Ltd.
 DT Journal; Patent
 LA English
 CC 60-4 (Waste Treatment and Disposal)
 Section cross-reference(s): 59

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----

PI RD 470003 20030610

PRAI RD 2003-470003 20030610

AB In the CBO (carbon burn-out) process, high-C fly ash
 (including C from Hg control equipment) is pneumatically conveyed from
 existing storage silo to CBO silo. A fan provides fluidization and
 combustion air to the fluid-bed combustor. Feed as is metered into the
 combustor. C combusts on a continuous basis. Material exits the
 combustor at 1350 F. Heat exchange occurs between the hot
 product ash and flue gas and the condensate of the power plant. Product
 ash contg. essentially all Hg is sepd. from the flue gas (now essentially
 Hg-free) by a cyclone and a baghouse. Product as is pneumatically
 conveyed to the storage and load-out area.

ST mercury fly ash CBO process

IT Ashes (residues)
 (fly; mercury removal from fly
 ash by CBO process)

IT 7439-97-6, Mercury, processes
 RL: REM (Removal or disposal); PROC (Process)
 (mercury removal from fly ash
 by CBO process)